

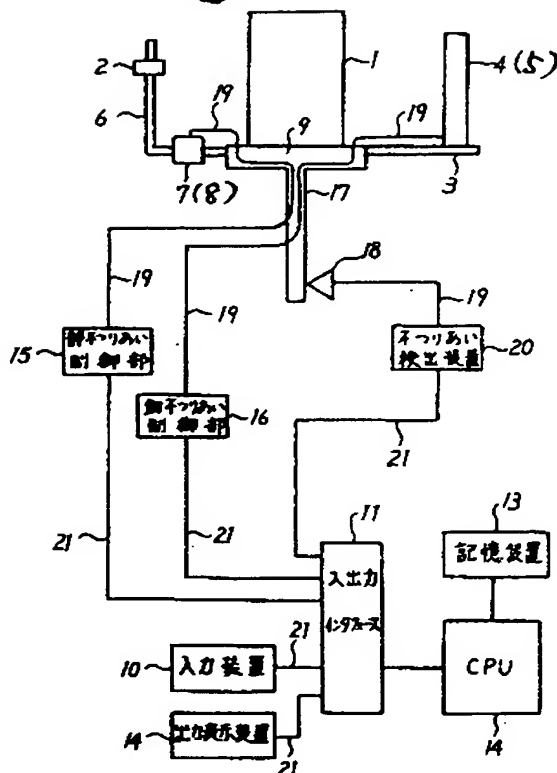
PUBLICATION NUMBER : 59184835
PUBLICATION DATE : 20-10-84
APPLICATION DATE : 06-04-83
APPLICATION NUMBER : 58060182

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INT.CL. : G01M 1/30 B64G 1/28

TITLE : UNBALANCE CORRECTING DEVICE



ABSTRACT : PURPOSE: To correct automatically an unbalance by providing a dynamic unbalance correcting mechanism and a static unbalance correcting mechanism on a rotating base, and adjusting them by a computer.

CONSTITUTION: Dynamic unbalance correcting devices 4, 5, static unbalance correcting devices 7, 8 and a balance weight 2 are provided on a rotating base 9. In this state, a couple generated by a dynamic unbalance vector of a rotating body is eliminated by adjusting the height of the correcting device 4, 5 and the height of the balance weight. Also, a deviation of the center of gravity by a static unbalance vector of the rotating body is eliminated by adjusting the position in the radial direction of the correcting devices 7, 8. On the other hand, the deflected center of gravity of the rotating body and the inclined angle of an inertia main shaft are stored in advance. Basing on this storage, the height and the position of the correcting devices 4, 5, 7 and 8. Subsequently, the height of the correcting devices 4, 5 and the position of the correcting devices 7, 8 and adjusted by control parts 15, 16. Thereafter, the result of correction is detected and decided by a detecting device 20, and its recorrection is executed as necessary.

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